

Abstract

The present invention provides an implosion prevention tension band 16 for use in a cathode ray tube (CRT) 10. The CRT includes a faceplate panel 18 with a substantially flat viewing faceplate 21 and a peripheral rearwardly extending sidewall 22 having an inside blend radius 23 from the viewing faceplate 21 to the sidewall 22. The tension band 16 is a single layer band surrounding the panel 18 and having a predetermined width extending rearwardly from near the faceplate 21 to at least half the distance between the rear edge of the inside blend radius 23 and the rear edge of the sidewall 22. According to another aspect of the present invention, the tension band 16 includes a plurality of tension adjusting features 40 being positioned at locations around the band 16 aft of the inside blend radius 23 in such manner that the stresses in predetermined areas of the panel 18 are reduced.

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